

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 10-25, 27-29, 31 and 32 are pending in the application, with 10, 17, 18, and 28 being the independent claims. Claims 10, 17, 18, and 28 have been amended to distinguish over the cited references. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicant respectfully requests that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Rejections Under 35 U.S.C. § 103

Claims 10-25, 27, 31, and 32 were rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over U.S. Patent No. 6,721,279 to Zhang *et al.* in view of U.S. Patent No. 6,301,296 to Krishnan *et al.* Claims 28 and 29 were rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Zhang *et al.* in view of Krishnan *et al.* and in further view of U.S. Patent No. 5,852,630 to Langberg *et al.*

Claim 10 is sought to be amended to include the feature of a "sequence organized... to allow detection of the potential impairments *based on a plurality of periods.*" Support for the amendment can be found on page 25 lines 15-18, for example, wherein "the disturbance(s), if any, introduced by the digital network is periodic in a predetermined number of phases (typically 24). This assumption includes the common cases in which an RBS pattern exhibits a period of 6 or 12." Zhang *et al.* appears to disclose a sequence organized to allow detection of the potential impairments based on a

single period (denoted by the six phases represented by the six columns in the table at column 9 lines 18-30). Similarly, Krishnan *et al.* appears to disclose a sequence with a segment length of six symbols per frame at column 7 lines 1-3 (denoting a period of 6). Because this feature is not disclosed in Zhang *et al.* or Krishnan *et al.*, claim 10, as amended, is patentable over these references.

Claims 17, 18, and 28 have been amended similarly to claim 10 and therefore are allowable for the same reasons as above.

Claims 11-16, 19-25, 27, 29, and 31-32 are also in condition for allowance because they depend on an allowable base claim, and for the additional features that they contain.

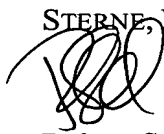
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicant believes that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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